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**Pease et al.**

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(54) **NON-AQUEOUS RELEASE FROM PAPER MACHINE EQUIPMENT**

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(58) Field of Search ..... 162/173, 199, 162/358.1; 106/2; 427/180, 384

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(57) **ABSTRACT**

Disclosed is a method of improving the release of paper webs from the surface of press rolls or other paper making or converting equipment by applying to such a surface non-aqueous, non-curing hydrocarbon polymer compositions. The non-curing hydrocarbon polymers have the formula  $(CH_3)_3C-[C(R_1)(R_2)-C(R_3)(R_4)]_n-C(R_5)=C(CH_3)_2$  (I) wherein  $R_1$  through  $R_5$  are hydrogen or  $-CH_3$ , with at least one of  $R_1$  through  $R_4$  being  $-CH_3$ , and  $n$  is such that the number average molecular weight of such hydrocarbon polymers is from 50 112 to 3000. They may be hydrogenated. Preferred non-curing hydrocarbon polymers are polybutenes of the formula  $(CH_3)_3C-[CH_2-C(CH_3)_2]_n-CH=C(CH_3)_2$  (II). Preferred compositions comprise at least one such hydrocarbon polymer component having a number average molecular weight from 400 to 700 and a second such component having a number average molecular weight of 100 112 to 400. The compositions are applied to the equipment surface in the absence of water.

35 Claims, No Drawings